

Message

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**From:** Wiseman, Chad [Chad.Wiseman@hdrinc.com]  
**Sent:** 1/30/2019 11:17:09 PM  
**To:** Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]  
**Subject:** RE: WDFW Pioneer Park Hatchery TSS and Nutrient Loading Estimate  
**Flag:** Follow up

Thanks Miranda!

**Chad Wiseman**  
D 360.570.4427 M 360.970.9129

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**From:** Hodgkiss, Miranda [mailto:Hodgkiss.Miranda@epa.gov]  
**Sent:** Wednesday, January 30, 2019 2:47 PM  
**To:** Wiseman, Chad <Chad.Wiseman@hdrinc.com>  
**Subject:** RE: WDFW Pioneer Park Hatchery TSS and Nutrient Loading Estimate

Thank you, Chad! I am just back to the office today. We will look over this as we move forward, and I will let you know if we have any questions.

Miranda Hodgkiss  
Office of Water and Watersheds  
U.S. EPA Region 10  
(206) 553-0692  
[hodgkiss.miranda@epa.gov](mailto:hodgkiss.miranda@epa.gov)

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**From:** Wiseman, Chad <Chad.Wiseman@hdrinc.com>  
**Sent:** Friday, December 21, 2018 11:48 AM  
**To:** Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>; 'lewe461@ECY.WA.GOV' <lewe461@ECY.WA.GOV>  
**Cc:** Berg, Ray J (DFW) <Ray.Berg@dfw.wa.gov>  
**Subject:** WDFW Pioneer Park Hatchery TSS and Nutrient Loading Estimate

Miranda and Leanne,

I've attached our predicted TSS, BOD, and nutrient load estimates for the proposed Pioneer Park hatchery. Note that we are providing estimates for the currently proposed operations and the future potential operations. Our currently proposed operations include just hatching and rearing of subyearling Chinook salmon, and does not discharge from June 15 – August. This current proposal is a reduced program that avoids all pollutant loading during the Deschutes River critical period, because the pH and dissolved oxygen TMDL and implementation plan is not complete. The future potential operations is what the WDFW would like to do, and includes year-round rearing. The WDFW would like the Deschutes River and Budd Inlet TMDLs and implementation plans to allocate pollutant loads to the PPH for the future potential operations (the year round operations), if possible.

Thanks, and please let Ray and I know if you have any questions. Happy Holidays!

Chad

**Chad Wiseman**

*Senior Scientist*

**HDR**

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